

ABSTRACT OF THE DISCLOSURE

5 An apparatus and a method of its use in a marine seismic survey are disclosed. The apparatus includes a seismic survey object and an inertial measurement device coupled to the seismic survey object. The method includes taking inertial measurements of the movement of selected points on a seismic spread relative to at least one known point, and applying the inertial measurements to the known point to determine the positions of the selected points.